

(FILE 'HOME' ENTERED AT 15:43:50 ON 10 MAY 2000)

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CABA, CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU,
DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:44:52 ON 10 MAY
2000

SEA HISTOLO?(10W)MELANOCYTE

1 FILE AQUASCI
27 FILE BIOSIS
2 FILE BIOTECHNO
2 FILE CABA
6 FILE CANCERLIT
1 FILE CAPLUS
1 FILE CROPB
1 FILE DDFB
1 FILE DRUGB
1 FILE DRUGU
9 FILE EMBASE
2 FILE ESBIODBASE
2 FILE JICST-EPLUS
1 FILE KOSMET
1 FILE LIFESCI
10 FILE MEDLINE
2 FILE NIOSHTIC
3 FILE SCISEARCH
3 FILE TOXLINE

L1 QUE HISTOLO?(10W) MELANOCYTE

SEA L1 AND HISTOLO?(10W)MELANOMA

2 FILE BIOSIS
L2 QUE L1 AND HISTOLO?(10W) MELANOMA

FILE 'BIOSIS' ENTERED AT 15:48:01 ON 10 MAY 2000

L3 2 S L1 AND HISTOLO?(10W)MELANOMA
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

(FILE 'HOME' ENTERED AT 13:21:43 ON 10 MAY 2000)

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI,
CABA, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU,
DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:22:06 ON 10 MAY
2000

SEA (MITF OR MICROPHTHALMIA ASSOCIATED TRANSCRIPTION FACTOR)

2 FILE AGRICOLA
1 FILE AQUASCI
120 FILE BIOSIS
1 FILE BIOTECHABS
1 FILE BIOTECHDS
67 FILE BIOTECHNO
7 FILE CABA
33 FILE CANCERLIT
104 FILE CAPLUS
1 FILE CONFSCI
5 FILE EMBAL
83 FILE EMBASE
64 FILE ESBIODASE
1 FILE FOREGE
59 FILE GENBANK
26 FILE JICST-EPLUS
36 FILE LIFESCI
88 FILE MEDLINE
118 FILE SCISEARCH
7 FILE TOXLINE
40 FILE TOXLIT
5 FILE USPATFULL
5 FILE WPIDS
5 FILE WPINDEX

L1 QUE (MITF OR MICROPHTHALMIA ASSOCIATED TRANSCRIPTION FACTOR)

SEA L1 AND (CANCER OR TUMOUR OR TUMOR)

5 FILE BIOSIS
3 FILE BIOTECHNO
12 FILE CANCERLIT
5 FILE CAPLUS
1 FILE EMBAL
4 FILE EMBASE
2 FILE ESBIODASE
4 FILE GENBANK
3 FILE JICST-EPLUS
13 FILE MEDLINE
2 FILE SCISEARCH
2 FILE TOXLINE
1 FILE TOXLIT
1 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX

L2 QUE L1 AND (CANCER OR TUMOUR OR TUMOR)

FILE 'MEDLINE, CANCERLIT, BIOSIS, CAPLUS, EMBASE, GENBANK, BIOTECHNO, JICST-EPLUS, ESBIODASE, SCISEARCH, TOXLINE, EMBAL, TOXLIT, USPATFULL, WPIDS' ENTERED AT 13:26:21 ON 10 MAY 2000

L3 4 S (MITF OR MICROPHTHALMIA ASSOCIATED TRANSCRIPTION FACTOR) (15W)

L4 1 DUP REM L3 (3 DUPLICATES REMOVED)

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 13:43:26 ON 10 MAY 2000

SEA (MITF OR MICROPHTHALMIA ASSOCIATED TRANSCRIPTION FACTOR)

2 FILE AGRICOLA
1 FILE AQUASCI
120 FILE BIOSIS
1 FILE BIOTECHABS
1 FILE BIOTECHDS
67 FILE BIOTECHNO
7 FILE CABA
33 FILE CANCERLIT
104 FILE CAPLUS
1 FILE CONFSCI
5 FILE EMBAL
83 FILE EMBASE
64 FILE ESBIODASE
1 FILE FOREGE
59 FILE GENBANK
26 FILE JICST-EPLUS
36 FILE LIFESCI
88 FILE MEDLINE
118 FILE SCISEARCH
7 FILE TOXLINE
40 FILE TOXLIT
5 FILE USPATFULL
5 FILE WPIDS
0* FILE WPINDEX

L5 QUE (MITF OR MICROPHTHALMIA ASSOCIATED TRANSCRIPTION FACTOR)

FILE 'BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE, BIOTECHNO, ESBIODASE, GENBANK, TOXLIT, LIFESCI, CANCERLIT, JICST-EPLUS, CABA, TOXLINE, EMBAL, USPATFULL, WPIDS, AGRICOLA, AQUASCI, BIOTECHDS, CONFSCI, FOREGE' ENTERED AT 13:53:37 ON 10 MAY 2000

L6 43 S (MITF OR MICROPHTHALMIA ASSOCIATED TRANSCRIPTION FACTOR) (10W)

L7 10 DUP REM L6 (33 DUPLICATES REMOVED)

L7 ANSWER 9 OF 10 BIOSIS COPYRIGHT 2000 BIOSIS DUPLICATE 5
 AN 1998:354423 BIOSIS
 DN PREV199800354423
 TI Identification of a novel isoform of microphthalmia-associated
 transcription factor that is enriched in retinal pigment epithelium.
 AU Amae, Shintaro (1); Fuse, Nobuo; Yasumoto, Ken-Ichi; Sato, Shigeru;
 Yajima, Ichiro; Yamamoto, Hiroaki; Udono, Tetsuo; Durlu, Yusuf K.; Tamai,
 Makoto; Takahashi, Kazuhiro; Shibahara, Shigeki (1)
 CS (1) Dep. Mol. Biol. Appl. Physiol., Tohoku Univ. Sch. Med., 2-1
 Seiryomachi, Aoba-ku, Sendai, Miyagi 980-8575 Japan
 SO Biochemical and Biophysical Research Communications, (June 29, 1998) Vol.
 247, No. 3, pp. 710-715.
 ISSN: 0006-291X.
 DT Article
 LA English
 AB Mutations at the mouse locus encoding microphthalmia-associated
 transcription factor (Mitf) affect the development of many cell types,
 including retinal pigment epithelium (RPE), melanocytes, mast cells, and
 osteoclasts. Here we have identified a novel Mitf isoform, Mitf-a, and
 its human homologue MITF-A by cDNA cloning. MITF-A consists of 520 amino acid
 residues and differs in the amino-terminus from authentic melanocyte-type
 MITF (MITF-M). MITF-A mRNA is widely expressed and represents a
 predominant MITF isoform in cultured RPE cells, whereas MITF-M
 mRNA is exclusively expressed in melanocytes and melanoma cells.
 In situ hybridization analysis suggested that Mitf-a mRNA is enriched in
 the prospective RPE of mouse embryo. Moreover, transient cotransfection
 assays suggested that MITF-A activated transcription of the tyrosinase
 and tyrosinase-related protein I genes. MITF-A/Mitf-a therefore may play an
 important role in melanogenesis in RPE.

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